



AFATDS' EFFECTS MANAGEMENT TOOL

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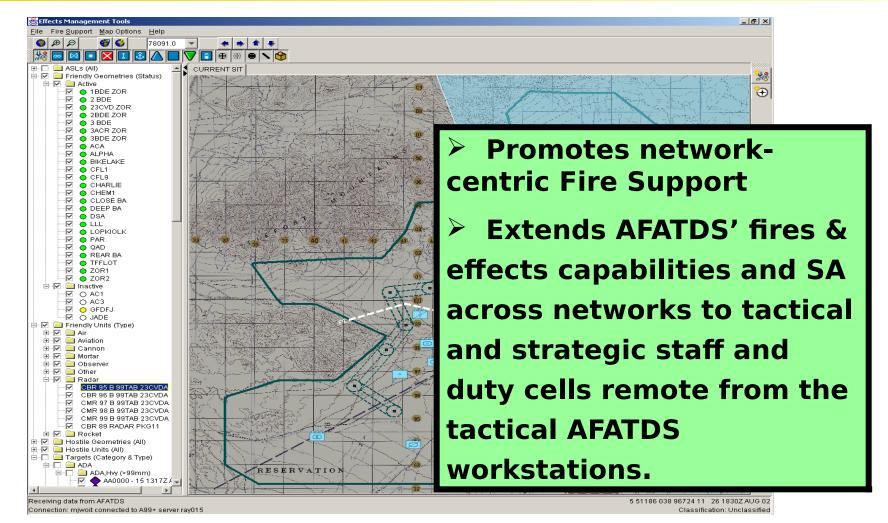
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Introduction to EMT







•TAIS

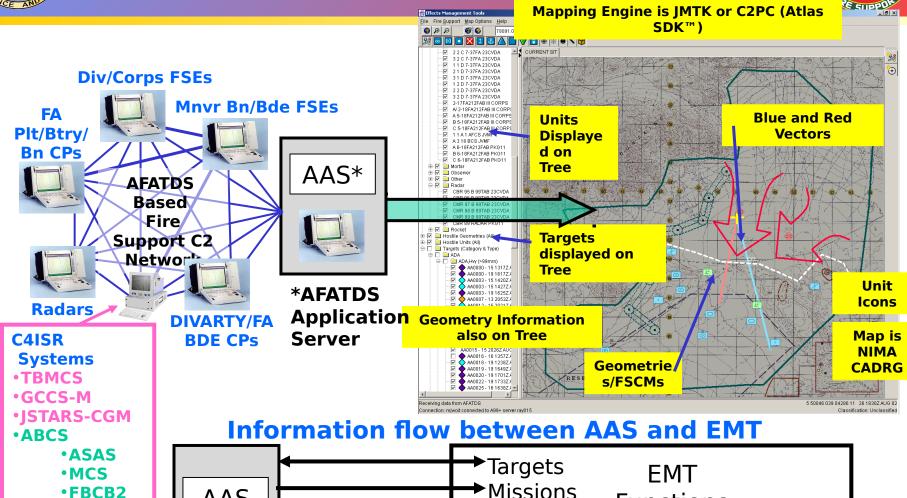
NATO

FS

NFN

•GCCS-A

EMT Is a Client to AFATDS



Targets EMT

Missions Functions

Geometries

Calls For Fire

Unit Data Updates

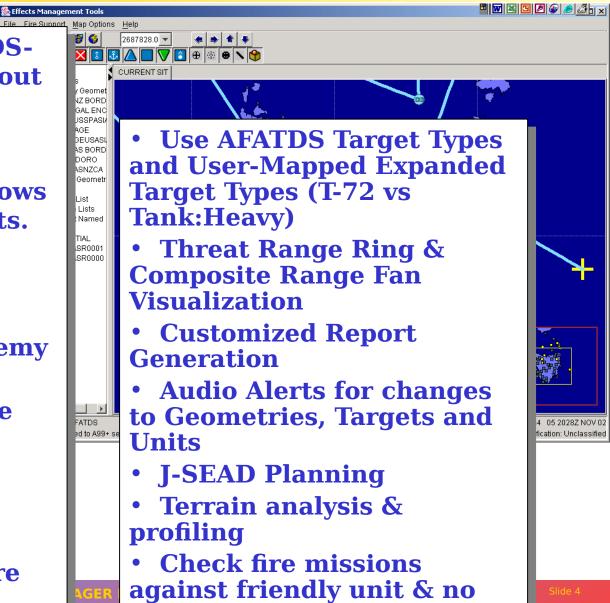
Guidances



General EMT Capabilities



- Display of all AFATDS-known information about units, targets, & geometries on background map, in "tree" format, in windows and tabularly in reports.
- Drill Down Status (Units, Targets, Geometries)
- Display Friendly/Enemy Fires
- Create/update/delete battlefield geometries
- CGRS / Kill Boxes
- Update unit information
- Initiate Calls For Fire





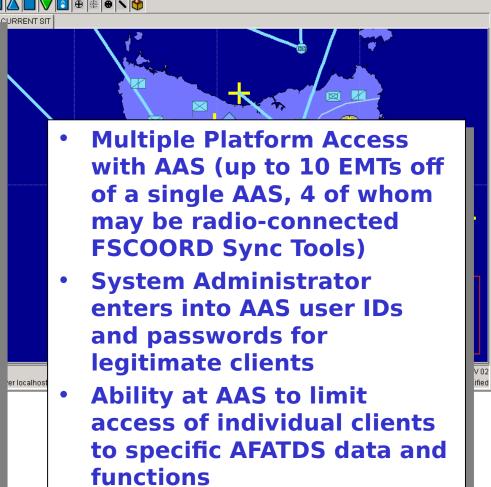
General EMT Features





File Fire Support Map Options Help

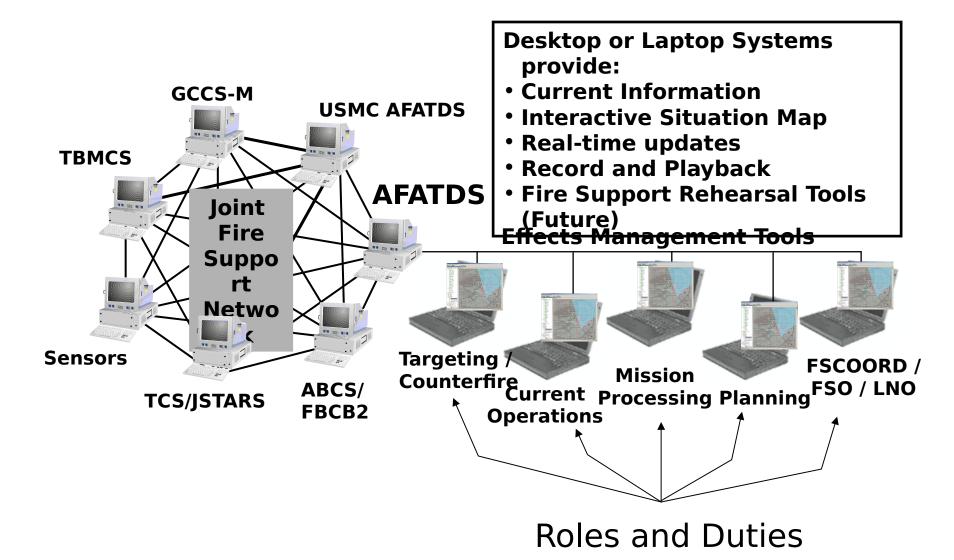
- Windows 'Look and Feel'
- JMTK and/or C2PC Atlas map engine using NIMA maps
- Dynamic Navigation Tree
- Highly configurable display tailorable to specific roles/duties
- Enhanced user preferences allow defining & filtering map overlays, and changing display attributes (color, boldness, line widths) of entities on the map
- Interoperability with MS
 Office® Products, including
 import/export with Excel™





How Do EMTs "Fit in the Picture?"







EMT Environment



EMTs are highly configurable to allow the User to control display attributes and the amount of

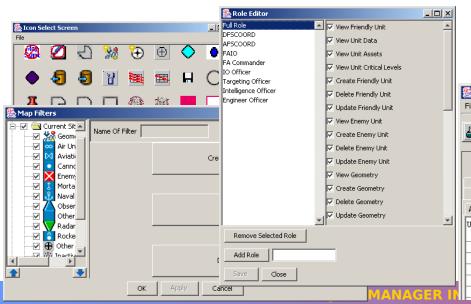
Roles and Duties

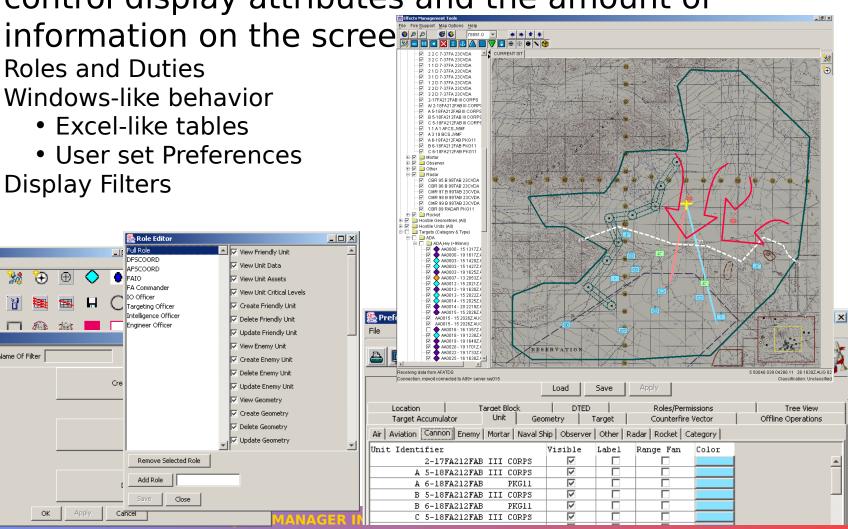
Windows-like behavior

Excel-like tables

User set Preferences

Display Filters







EMT C2 Support



Plan

- Dynamic SA with Detailed Drill Down
- View Land Component Commander's Guidance, HVT, HPT, TSS
- Submit & Track Air Support Requests (TBMCS)
- Kill Box & Auto J-SEAD Planning

Direct

- Initiate Calls For Fire (CFFs)
- Create & Execute Named Target Lists & Battlefield Geometries

Coordinate

► Manipulation & Export of EMT Generated Spreadsheet & Power Point Products

Control

> Mission Reports

Coordinate

C2 Process (JP 1-02)



Comprehensive C2 Tool



Interface Options for Dynamic, Interactive C2

- Application Running on User's Platform
- Integrated into System of Record
- Tactical Access via SINCGARS



Laptop, PC, or UNIX Application



C2PC Integration



FSCOORD EMT (Tactical)



EMT Targeting Support



Allows rapid coordination of the use of sensors, planning for attack, and execution of the delivery of

fires and effects against NRT Sensor Data Target List Worksheets Named Target Lists Air Support Lists C 6-18FA212FAB PKG1 User Defined Target Types • MIDB Access (V6.4) Target Data | Requested Munitions | More Target Data | More Mission Data | BE Number O-Suffix: Originator: OPS 7-37FA 23CVDA Observer: OPS 7-37FA Mission Type: Fire For Effect 28900 Base Blee Type Of Adjustment: Unspecified > 21900 40000 Method Of Control: When Ready Time On Target: Location: 11SNV5028503436 Category: ADA Mortar Very Hwy (>150mm) fortar.Unknown kt/Msl.Anti-Pers kt/Msl.AntiTank Time Sensed: 13 19257 AUG 02 Enemy Unit ID: SA-8 (GECKO) 115NV5028503436 31 ADA, Light (<58mm) 115NV4558100358 60 115NV3827203927 ADA, Light (<58mm) 115NV9058155358



EMT Fire Support



01 00002 14N 7

1 0000Z 3AN 70

26 2052Z AUG 02

1 18367 AUG 02

26 1845Z AUG 02

FFE 1 Fuze: FFE 1 Shell:

FFE 2 Shell:

Adjust Fuze:

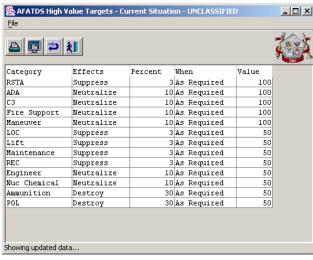
Adjust Shell:

FFF 1 Vlvs/Rds

General Tools for common FSE type operations. Enables profound control of the AFATDS Network

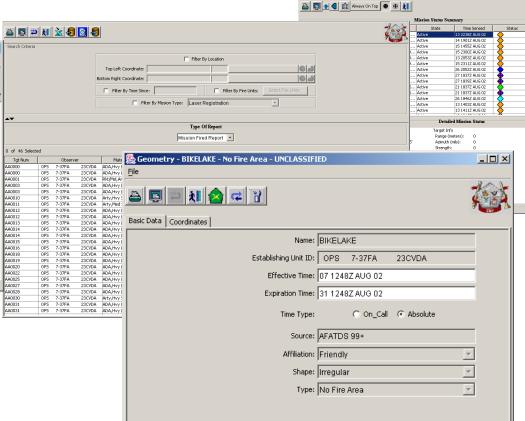
Create, Edit, Delete Geometries

View Guidance



Mission Monitor

Mission Fired Reports





EMT Air Support



Tools to extend the Air Support Functions resident in AFATDS to Platforms used by the Battle starget List Worksheet

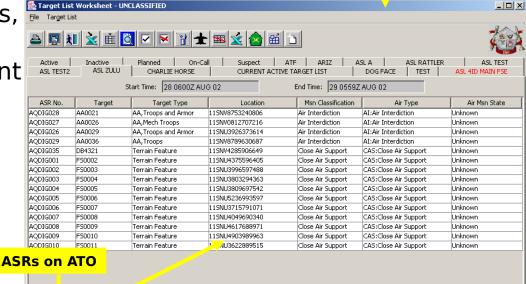
Import/Export of Excel based ASRs/ASLs

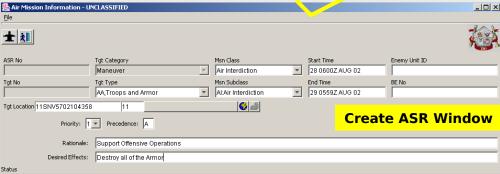
• Visualization of targets, ASRs, Starget List Worksheet - UNCLASSIFIED ASLs, ATOs

Geometry/FSCM management

Drill down on screen icons



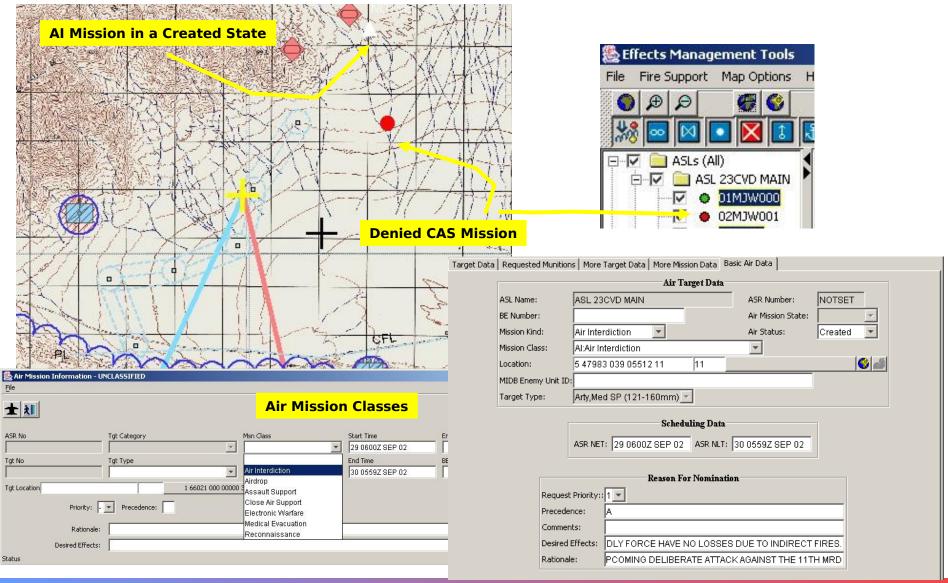






EMT Air Support







FSCOORD SYNCH TOOL



WHAT is the FSCOORD Synch Tool?

- ➤ A user- friendly Fire Support Command and Control and near real time Situational Awareness tool
- Tailored for FSCOORD use, connected by Combat Net Radio (SINCGARS) to an AFATDS server.
- ➤ Designed to replace the FSCOORD's map board and digitally provide overlays (FSCMs, Fire Plans, targets, Position Areas, Maneuver graphics, Fire Support Execution Matrix, FA Support Plan, target lists, and unit status information).

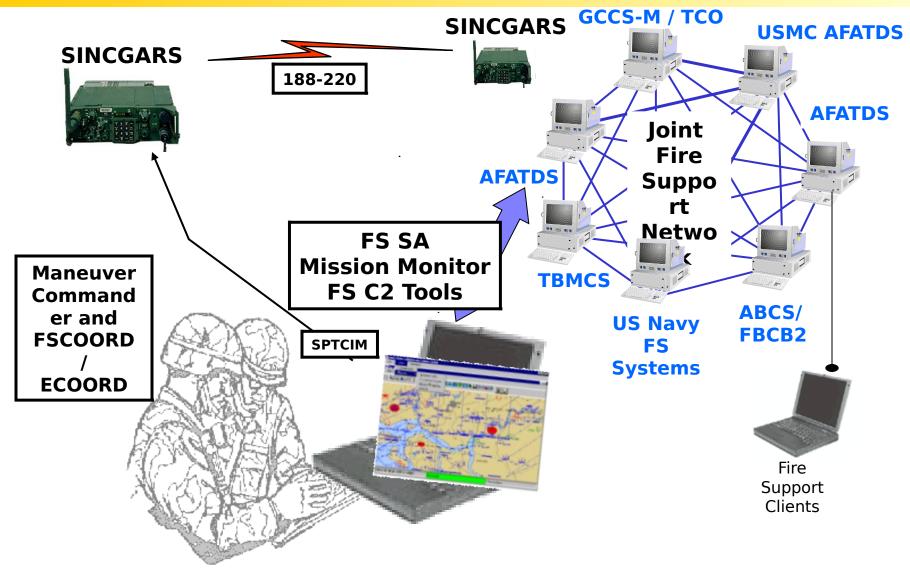
WHY do you need it?

The FSCOORD is the single analog choke point in the digital FSCOORD chain.



System Concept







Baseline FST Features v6.4



- Builds upon EMT & AFATDS 6.4
- CNR (SINCGARS)
- Windows NT 'Look and Feel'
- FS Situation Monitor
 - Unit Locations
 - Targets
 - Fire Support Coordination Measures
- Target Lists/Reports
- Friendly/Enemy Artillery Vectors (Counterfire COP)
- View Plans/Guidance
- Interoperability with MS Office® Products

